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*AEC tr 2523

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Light Flash Photolysis With the Single Tube System,
by H. Schuler, E. Krimmel, 3 pp.

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SLA 59-10579

Sci - Chem
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Order from NRCC \$2.50 NRCC C-3519

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151491

61-12631

1. Gas diffusion--Heat transfer
2. Title: Separation tube
- i. Waerden, B. L. van der
- ii. NRCC TT-919
- iii. NRCC C-3519
- iv. National Research Council of Canada

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H. Burghoff, F. Zigan, 31 pp.

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Nitrogen Ions in Plasma, by E. Dreeskamp,
11 pp.

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SLA 60-18048

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Kroepelin, H., Wlenke, K., and Wildi, A.
BEHAVIOR OF BENZENE AND ITS HOMOLOGS IN
THE POSITIVE REGION OF THE GLOW DISCHARGE
(Zum Verhalten von Benzol und seinen Homologen in der
Positiven Haule der Glimmentladung). [1960] [5]p.
5 refs.
Order from CIA mi\$1.80, ph\$1.80 61-105.0

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Germany) 1957, v. 12a [no. 9] p. 752.

Emission and absorption spectra have been observed
in a glow discharge containing benzene and its homologues.
The technique of Schüller was used. A number
of observations is reported of which two are emphasized:
The quantitative ratios of the break-down products
and especially the building up of higher homologues
such as toluene from benzene; ethylbenzene from
toluene. (Author)

(Chemistry--Organic, TR, v. 5, no. 7)

- 61-105.0
1. Benzenes--Spectra
2. Glow discharge--Spectra
I. Kroepelin, H.
II. Wlenke, K.
III. Wildi, A.

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AENG Tp 11/3/5/1139

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Axially Symmetrical Magnetohydrodynamic Equilibrium Configurations, by R. Lust, A. Schluter, 14 pp.

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MASS SPECTROSCOPIC STUDIES OF THE FORMA-
TION OF (HeNe)⁺ IN THE POSITIVE COLUMN
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2. Neon ions--Mass spectra
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A. Rubenau.

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T-214 Q U

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[NRCC] Technical trans. 936.
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61-22095

1. Nuclear reactions--
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 2. Protons--Nuclear
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 3. Nuclear spins--
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 4. Carbon isotopes--
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 5. Nitrogen isotopes--
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1. Hittmair, O.
 - II. NRCC TT-936
 - III. NRCC C-3590
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Office of Technical Services

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Scientific - Chemistry, luminescence, oxygen

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Scientific - Physics, nuclear physics, electron cyclotron

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A Light Source for Continuous Radiation of High

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A Light Source for Continuous Radiation of High
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AEO tr-SAC

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SPECTROSCOPIC METHOD FOR THE DETECTION OF
VERY SMALL AMOUNTS OF WATER. 22 June 49,
Sp. (figs. tables omitted).
Order from SLA \$1.10 62-20480

Trans. of Z[eitschrift] für Naturforschung (West
Germany) 1948, v. 3a [no. 7] p. 392-395.

DESCRIPTORS: *Molecular spectroscopy, Identification,
*Water, Organic materials, Discharge tubes, Quartz,
Glow discharges.

A spectroscopic method for the detection of water ad-
mixtures down to 1:180,000 in a glow discharge using
the disintegration spectrum of the OH group occurring
with the excitation of H₂O is outlined. (Author)

(Physics--Spectroscopy, TT, v. 10, no. 2)

62-20480

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Office of Technical Services

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Produced by a Spark Breaking Through a
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Scientific - Biology

The Absolute Energy Yield of Fluorescent
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Germany) 1950, v. 5a, p. 101-108. (Abstract available)
Another trans. is available from SLA as 1055, 22p.

DESCRIPTORS: *Benzenes, Halides, *Nitrobenzenes,
*Quinones, *Naphthalenes, *Diphenyl, *Anthracenes,
*Phenanthrenes, Specific heat, Volume, Thermal
conductivity, *Thermochemistry,

The work concerns the investigation of forces between
molecules in solid organic compounds. The specific
heat, the specific volume and the temperature con-
(Chemistry--Physical, TT, v. 11, no. 8) (over)

TT-64-14413

I. Überreiter, K.
II. Orthmann, H.-J.

Office of Technical Services